Attorney Docket No.: AOL0114 U.S. Serial No.: 10/733,835

Form 1449 (Modified)

Information Disclosure Statement By Applicant

(Use Several Sheets if Necessary)

Atty. Docket No.

AOL0114

Serial No.: 10/733,835

Applicant:

Marc S. Hollander, et al.

Filing Date: December 10, 2003

Group: 2155

U.S. Patent Documents

Examiner Initial	No.	Patent No.	Issue Date	Patentee	Class	Sub- class	Filing Date
	1	5,325,238	6/28/1994	Stebbings et al.			
	2	5,517,672		Reussner et al			
	3	5,528,513	6/18/1996				
	4	5,585,866	12/1/1996				
	5	5,616,876	4/1/1997	Cluts			
	6	5,644,715	7/1/1997	Baugher			
	7			Lee, Howard Hong-			
		5,671,195	9/1/1997				
	8	5,734,119		France et al			
	9	5,761,417		Henley et al.			
	10	5,784,597	7/1/1998				
	11	5,787,482	7/28/1998	Chen et al			
	12	5,792,971		Timis et al			
	13	5,802,502	9/1/1998	Gell et al			
i	14	5,819,160	10/6/1998	Foldare et al			
	15	5,892,900	6/6/1996	Ginter et al			
	16	5,907,827	5/1/1999	Fang et al.			
	17	5,910,987	6/8/1999	Ginter et al			
	18	5,913,039	6/15/1999	Nakamura			
	19	5,915,019	6/22/1999	Ginter et al			
	20	5,917,912	6/29/1999	Ginter et al			
	21	5,920,861	7/6/1999	Hall et al			
	22	5,930,765	7/1/1999	Martin, John R			
	23	5,943,422	8/24/1999	Van Wie et al			
	24	5,944,778	8/31/1999	Takeuchi et al			
	25	5,949,876	9/7/1999	Ginter et al			
	26	5,956,321	9/21/1999	Yao et al			
	27	5,956,491	9/21/1999	Marks			
	28	5,959,945	9/1/1999	Kleiman, Ruben			
	29	5,963,914	10/5/1999	Skinner et al	<u> </u>		
	30	5,982,891	11/9/1999	Ginter et al			
	31	5,996,015	11/30/1999	Day et al			
	32	6,029,257	2/22/2000	Palmer			
	33	6,031,797	2/29/2000	Van Ryzin et al			1
	34	6,041,354	3/21/2000	Biliris et al			
	35	6,044,398		Marullo et al			
	36	6,061,722		Lipa et al			
	37	6,067,562	5/23/2000	Goldman			
	38	6,088,722	7/11/2000	Herz			
	39	6,112,023	8/29/2000	Dave et al			
	40	6,112,181	8/29/2000	Shear et al			
	41	6,138,119	10/24/2000	Hall et al			
	42	6,157,721	12/5/2000	Shear et al			

	43	6,157,940	12/5/2000	Marullo et al	
	44			Marullo et al	
	45	6,160,812		Bauman et al	
	46	6,163,683			
		6,168,481	12/1/1992		
	47	6,173,325			
	48	6,185,683		Ginter et al	
-	49	6,185,701	2/6/2001	Marullo et al	
	50	6,192,340		Abecassis	
	51	6,195,701		· · · · · · · · · · · · · · · · · · ·	
	52	6,199,076			
	53	6,222,530	4/24/2001		
	54	6,226,672	5/1/2001	DeMartin et al	
	55	6,237,786		Ginter et al	
	56	6,240,185		Van Wie et al	
	57	6,243,328			
	58	6,243,725			
1	59	6,247,061	6/12/2001		
	60	6,248,946	-		
	61	6,253,193			
	62	6,262,569			
	63	6,263,362			
	64	6,266,788			
	65	6,300,880			
	66	6,314,576		Asamizuya et al.	
	67	6,332,163		Bowman-Amuah	
	68	6,356,936		Donoho et al	
	69	6,363,488	3/26/2002		
	70	6,366,914	4/2/2002		
	71	. 6,389,402	5/14/2002		***
	72	6,421,651		Tedesco et al	
<u></u>	73	6,427,140	7/30/2002	Ginter et al	
	74	6,430,537		Tedesco et al	
	75	6,434,621	8/13/2002		
	76	6,434,628	8/13/2002		
	77	6,438,450	8/20/2002	· · · · · · · · · · · · · · · · · · ·	
	78	6,438,630	8/20/2002		
	79	6,441,832	8/27/2002		
	80	6,446,080		Van Ryzin et al	
	81	6,446,125		Huang et al	
	82	6,446,126		Huang et al	
	83	6,449,367		Van Wie et al	
	84	6,453,316		Kairbe et al	
	85	6,477,541	11/1/2002		
	86	6,477,707	11/1/2002		
	87	6,492,469		Willis et al	
	88	6,496,744	12/17/2002		
	89	6,502,194	12/1/2002	Berman et al.	
· ·	90	6,505,160		Levy et al	
	91	6,519,648	2/11/2003		
	92	6,526,411	2/25/2003	Ward	
	93	6,529,586	3/4/2003	Elvins et al	
	94	6,536,037	3/18/2003	Guheen et al	
	95	6,542,445			
	96	6,546,397	4/8/2003	Rempell]

Attorney Docket No.: AOL0114 U.S. Serial No.: 10/733,835

r				
	97	6,550,057	4/15/2003	Bowman-Amuah
	98	6,601,041	7/29/2003	Brown et al
	99	6,618,484	9/9/2003	Van Wie et al
	100	6,658,568	12/2/2003	Ginter et al
	101	6,668,325	12/23/2003	Collberg et al
	102	6,772,435	8/1/2004	Thexton et al
	103	6,910,220	6/1/2005	Hickey et al
	104	6,950,623	9/1/2005	Brown et al
·	105	7,020,710	3/1/2006	Weber et al
	106	7,020,893	3/1/2006	Connelly, Jay H
	107			Giacalone Jr., Louis
		7,136,906	11/1/2006	D.
	108	7,185,352	2/1/2007	Halford et al.
	109	6,772,340	8/1/2004	Peinado et al.
	110	6,263,313	7/1/2001	Milsted et al.
	111	6,609,097	8/1/2003	Costello et al.

Published U.S. Patent Application

Examiner		Document	Publication	Assignee		Sub-	Tran	slation
Initial	No.	No.	Date		Class	class	Yes	No
	1	2001/0003828	6/14/2001	Peterson et al				
	2	2001/0030660	10/1/2001					
	3	2002/0032907	3/1/2002					
	4	2002/0059237	5/1/2002					
	5	2002/0059624	5/1/2002	Machida et al				
	6	2002/0068525	6/1/2002	Brown et al.				
	7	2002/0078056	6/20/2002	Hunt et al.				
	8	2002/0082914	6/27/2002	Beyda et al				
	9	2002/0095510	7/1/2002	Sie et al				
	10	2002/0104099	8/2002	Novak, Robert Eustace				
	11	2002/0107968	2/6/2003					
•	12	2002/0108395	8/15/2002	Fujita et al.				
	13	2002/0152876	10/24/2002	Hughes et al				
	14	2002/0152878	10/24/2002					
	15	2002/0198846	12/26/2002	Lao				
	16	2003/0014436	1/16/2003	Spencer, et al.				
	17	2003/0018797	1/23/2003	Dunning et al				
	18	2003/0023973	1/1/2003	Monson et al.				
	19	2003/0023975	1/1/2003	Schrader et al.				
	20	2003/0069768	4/10/2003	Hoffman, et al.				
	21	2003/0121050	6/26/2003	Kalva et al.				
	22	2003/0126275	7/3/2003	Mungavan et al				
	23	2003/0135605	7/17/2003	Pendakur			1	
	24	2003/0195974	10/16/2003	Ronning et al				
	25	2004/0064507	4/1/2004	Sakata				
	26	2005/0159104	7/1/2005	Valley et al.				
	27	2002/0091761	7/1/2002	Lambert, James P.				
	28	2003/0236906	12/1/2003	Klemets et al.				
	29	2003/0048418	3/1/2003	Hose et al.				
	30	2003/0028893	2/1/2003	H. Addington, Timothy				
	31	2005/0114757	5/1/2005	Sahota et al.				

Attorney Docket No.: AOL0114

U.S. Serial No.: 10/733,835

Published Foreign Patent Application

Examiner		Document	Publication	Assignee		Sub-	Translation	
Initial	No.	No.	Date		Class	class	Yes	No
	ON DRONG PORONG	EP 1113605A2	7/4/1991	Lucent Technologies		THE REAL PROPERTY.		
	2	EP 1187485B1	4/2/2003	Mediabricks AB	ARTICLE STATE OF THE PARTY OF T	SKERESKER		
	3	EP 0831608A2	3/25/1998	AT&T Corp.	AND PROPERTY AND PARTY OF THE P			
	4	EP 0875846A2	11/4/1998	Sony Electronics, Inc.				
	5	EP 0986046A1	3/15/2000	Lucent Technologies				
	6	EP 1286351A2	2/26/2003	Surcouf et al.	,			
	7	ÈP 1178487A1	2/6/2002	Shimada et al				
	8	EP 1187423A2	3/13/2002	Watanabe, K.				
	9	EP 1229476A2	8/792002	Chatani et al				·
	10	EP 1244021A1	9/25/2002	Yamamoto, K.				
	11	EP 1267247A2	12/18/2002	Du, et al.				
	12	WO 02/063414	8/14/2002	Dietsch, K-L.	05000			
	13	WQ 94710496A2	2/15/2001	Rubin et al	OR DESIGNATION OF THE PERSON O			
	14	W 497055	8/1/2002	Tsais		S. G. S.		
1000	5 [September 1	JP 2002318587	10/31/2002	Akashit		2000	DE STATE OF THE PARTY OF THE PA	
THE REAL PROPERTY AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS	16	JP 2002108395	4/10/2002	Kobe Steel Ltd			***************************************	NO SOURCE OF SOU
CHESTOCK CONTROL OF THE PARTY O	17	JP 2003069768	3/7/2003	Ricoh KK				Name of the Owner, where the Party of the Owner, where the Owner, which is the Owner, where the Owner, where the Owner, which is the Owner, which

Other Documents

	1	Other Documents
Examiner		
Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
* Observation	1	A Network Flow Model for Playlist Generation; Department of Electrical Engineering, University of
	NO.	Minnesota
	N. S.	Learning a Gaussian Process Prior for Automatically Generating Music Playlists; Microsoft Corporation
	3	
		East_iving:Technologies for Intelligent Environments; Microsoft Research
	4	Intelligent Multicast Internet Radio; University of Dublin
	5	Flytrap: Interigent Group Music Recommendation; IUI 02. 2002 International Conference on
		Intelligent User oterfaces;
	6	Virtual Jukebox; reviving a classic; Proceedings of the 35th Annual Hawaii International Conference
	7	on System Sciences, 7-887-93
	7	The MP3 Revolution; IEEE Intelligent Systems vol 14, no 3, p. 8-9,
	8	The Valid Web: an Infrastructure for Temporal Management of Web Documents; ADVIS 2000;
		Lecture Notes in Computer Science Vol 1909, p. 294-303, Izmir, Turkey; pub: Soringer-Verlag;
	9	2000; xvi-460pp.; Germany Usability Studies and Designing Nangational Aids for the World Wide Web; 6th Intl World Wide
-	9	Web Conf.; Santa Clara, CA; USA; Pub: Elsevier Comput. Netw. ISDN Syste; vol 29, no. 8-13,
		p.1489-96; Sept 1997; Netherlands
	10	"Web based Protection and Secure Distribution for Distribution Music", Proceedings, International
		Conference on Interpet and Multimedia Systems and Applications pg 102-107, Hawaii, USA
	11	Apple's iTunes Music Store - http://www.apple.com/music/store
	12	Conference Paper: IP Data Over Satelite to Cable Headends and a New Operation Model with
		Digital Store and Forward Multi-Media System
	13	Coordinated CPU and Event Scheduling for Distributed Multimedia Applications:, ACM Multimedia;
	44	Ortawa, Canada
	14	"Packet Synchonization Recovery Circuit" Vol 16, No 294, P.120
ا م	5	HODSON, O., PERKINS, C., HARDMAN, V., "Skew detection and compensation for hernet audio
ALE STATE OF THE S		application" Part vol.3, p.1687-90, 2000 IEEE international Conference on Multimedia
Market Market	16	Proceedings, USA ALIPPECOECHEA C. CAMPRELL A. HALIM L. "A Survey of Oos Architectures" Columbia
MATERIAL PROPERTY.	10	AURRECOECHEA, C., CAMPBELL, A., HAUW, L., "A Survey of QoS Architectures", Columbia University, New York
		Offivoroity, 110W Tork

Attorney Docket No.: AOL0114

19

U.S. Serial No.: 10/733,835 CEN,S., PU, R., STAEHI, R., WALPOLE, J., "A Distributed Real-Time MPEG Video Audio Player", Dept of Computer Science and Engineering, Oregon Graduate Institute of Science and Technology MANOUSELIS, N., KARAMPIPERIS, P., VARDIAMBASIS, I.O., MARAS, A., "Digital Audio 18 Broadcasting Systems under a QoS Perspective", Telecommunications Laboratory, Dept. of Electronics & Computer Engineering, Technical University of Crete, Greece

Helix Universal Gateway Configuration Guide, RealNetworks Technical Blueprint Series SION, R., ELMAGARMID, A., PRABHAKAR, S., REZGUI, A., "Challenges in designing a QoS aware Media Repository (working draft) Computer Science, Purdue University, IN 20 CHEN, Z., TAN,S.-M., CAMPBELL, R., LI, Y., "Real Time Video and Audio in the World Wide Web". Dept. of Computer Science, Univ. of Illinios, Champagne - Urbana 22

Content Networking with the Helix Platform, RealNetworks White Paper Series Øuly 2002 RESS. C., Media Streaming Protocol: An Adaptive Protocol for the Delivery of Audio and Video 23 Over the Internet", 1998, Univ. of Illinois, Champagne-Urbana

KOS ER, R., "Design of a Multimedia Player with Advanced QoS Control,", January 1997, Oregon 24 Graduate Institute of Science and Technology

NARASIMHA, R. et al. "I/O Issues in a Multimedia System"; Compute, Vol. 27, No. 3, pg 69-74, 25 March 199 USA

RAMAKRISHNAN, K.K. et al; "Operating system Support for a video-on-demand file service"; 26 Multimedia Systems; Vol. 3, No. 2, Pg. 53-65, 1995 West Germany 27 NWOSU, K.C. et al "Data Allocation and Spatio-Temporal Implications for Video-on-Demand Systems"; Proceedings of 1995 14th Annual Phoenix Conference on Computers and

Communications; (Cat. No.95CH35751), pg. 629-35; IEEE: 1995 USA EUN, S,: et al. "Nonpresemptive scheduling algorithims of multimedia communication in local area 28 networks"; Proceedings 1995 Int'l Conf on Network Protocols (Cat. no.: 95TB8122) pg. 356-IEEE Comput. Soc. Press; 1995 os Alamitos, CA USA 1996

NAKAJIMA, T.; "A Dynamic OS control based of Optimistic processor reservation"; Proceedings 29 of the Intn'l onf. on Multimedia Computing and Systems (Cat. No.: 96TB100057), pg. 95-103, IEEE Comp. Soc. 1996, Los Alamitos, CA 30 Orji, C.U. et al; "Spatio-temporal effects of putimedia objects storage delivery on video-on-demand

systems"; Mutlimedia Sytems; vol. 5, no. 1, pg 39-52, Springer-Verlag; January 1997, Germany KENCHAMMANA-HOSEKOTE, D.R., et al.; "I/O scheduling for digital continuous media"; Mutlimedia Systems, vol. 5, no.4, pg 213 87, Springer-Verlag, July 1997 Germany 31

32 MATSUI, Y et al.; "VoR: a network system namework for VBRT over reserved bandwidth"; Interactive Distributed Mutlimedia Systems and Telecommunications Services, 4th Int'l Workshop, IDMS '97 Proceedings; pg 189- 8, Springer-Verlag; 1997, Berlin, Germany 33

LULING, R. et al.; "Communication Scheduling in a Distributed memory parallel interactive continuous media server system"; Proceeedings of 1998 ICPP Workshop on Architectural systems and OS Support for Multimedia Applications Flexible Communications Systems, Wireless Networks and Mobile Computing; Cat. no. 98EX206) pg 56-65; INEE Comput. Soc, 1998 Los Alamitos, CA SEONGBAE, E., et al; "A real-time scheduling algorithim for multimedia communication in samll dedicated multimedia systems'; KISS(A) (Computer Systems and Theory) vol 25, no.5, pg492-502; 34

Korea Inf. Sci. Sc; May 1998, South Korea, 1999 GAROFALAKIS, M.N., et al. "Resource scheduling in enhanced pay-per-view continuous media databases"; roceedings of 23rd Int'l Conf. on Very Large Databases"; pg 516-25; Morgan, 35

Kaufman Bublishers, 1997, San Francisco, CA USA 1999 36 MOSTEFAOUI, A.; "Exploiting data structures in a high performance video server for TV archives"; Proceedings of the Int'l Symposium on Digital Media information Base, p. 516-25, World Scientific, 1998/Singapore

GAROFALAKIS, M.N., "On periodic resource scheduling for continuous media databases: VLDB 37 Surnal, Vol 7, no.4, pg 206-25; 1998 Springer Verlag, germany 1999

HWEE-HWA, P., et al; "Resource Scheduling In A High Peformance Multimedia Server," March-38 April 1999, IEEE, USA

YOUNG-UHG, L. et al, "Performance analysis and evaluation of allocating subbanded video dta block on MZR disk arrays"; Proceedings of teh High Performance Computing (HPC'98) og 335-40. Soc for Comp Simulation Intn'l 1998, San Diego, CA, USA

FENG, C. et al.; "An architecture of distributed media servers for supporting guaranteed QoS and media indexing", IEEE Intn'l Conf on Multimedia Computing and Systems, Part vol. 2 IEEE Comp. Soc. 2 vol. 1999 Los Alamitos, CA 1999 40

41 TO, T.-P.J. et al "Dynamic optimization of readsize in hypermedia servers"; IEEE Intn'l Conf on Mutlimedia Computing and Systems; Part vol. 2, pg 486-91, Pub. IEEE Comput. Soc, 2 vol. 1999 Los Alamitos, CA USA

Attorney Docket No.: AOL0114

U.S. Serial No.: 10/733,835

000000000000000000000000000000000000000		LEE, W. et al., "QoG adaptive bandwidth scheduling in continuous media streaming", Information
		-and-Software-Technology;
/AD/	43	WADDINGTON, D.G., "Resource partitioning in general purpose operating systems; experimental
/AB/		results in Windows NT"; Operating Systems Review, vol. 33, no4, pg52-74; ACM, October 1999,
		USA
300000000000000000000000000000000000000	44	DITZE, M. et al. "A method for real-time scheduling and admission control of MPE 2 streams; PART
200000000	0000000	2000; 7th Australian Conference on Parallel and Real-Time Systems", Nov. 2000, Sydney, NSW,
		Australia, Pub: Springer-Verlag, Hong Kong, China 2001
	45	GAROFALAKIS, M., et al, "Competitive Online scheduling of continuous media streams", Journal
		of Computer and Systems Sciences; vol64, no2 pg 219-48, Academic Press, March 2002 USA
	46	WONJON, L. et al.; SoS-adaptive bandwidth scheduling in continuos media streaming" Dept of
		Computer Sci and Engr, Korea University, Seoul, South Korea; Information and Software
		Technology, vol 44, no9, pg551-53, Soort, Korea
	47	MOURLAS, C.; "Deterministic serieduling of OBR and VBR media flows on parallel media servers",
		Euro-Par 2002 Parallel Processing 8th Intn'l Euro-Par Conference Proceedings; Vol 2400, pg 807-
		15, August 2002, Paderborn, Germany 2003
	48	BUFORD, J.F.; "Storage server requirements for delivery of hypermedia documents", Proceedings
	- WESTERSON	the SPIE - The International Society for Optical Engineering Conference, int. Soc. Opt. Eng.
	DESCRIPTION	vol2417, pg 346-55, 1995
Section of the Party of the Par		

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

/Alicia Baturay/

03/24/2008